

CLAIMS:

1. An image display device comprising:
a matrix display panel having plural X direction signal lines and plural Y direction signal lines intersecting lying at right angles thereto, the intersecting points of said matrix being pixels of a display image;

X direction driving means for sequentially scanning said plural X direction signal lines to provide image signals;

Y direction driving means for driving said plural Y signal lines in synchronism with the scanning of said plural X direction signal lines to sequentially provide, select signals to said plural Y direction signal lines;

A-D converter means for receiving an analog image signal and converting it into a digital image signal;

voltage generating means for generating signals at plural different voltage levels; and

selector means for selecting one of the output signals from said voltage generating means in accordance with an output from said A-D converter means to provide it to said X direction driving means as said image signal.

2. An image display device according to claim 1, wherein said matrix display panel comprises a liquid crystal display panel.

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3. An image display device according to claim 1, wherein said matrix display panel comprises a plasma display panel.

4. An image display device according to claim 2, wherein said liquid crystal panel comprises liquid crystal cells capable of distinguishably displaying information of N (N : positive integer) for one pixel, and said voltage generating means generates signals at different 2^N kinds of voltage levels.

5. An image display device according to claim 2, wherein said liquid crystal panel comprises display elements radiating N (N : positive integer) kinds of colors for one pixel, said X direction signal lines comprises 2^N signal lines corresponding to said N kinds of different colors, and said A-D converter means comprises means for receiving N kinds of different color image analog signals and converting them into N kinds of different color image digital signals.

6. An image display device according to claim 1, wherein said A-D converter means converts said analog input signal into an M (M : positive integer) bit parallel digital signal to be supplied to said selector means.